

Googolplex Written Out

Wolfgang H. Nitsche

A stylized graphic of a vinyl record. The text "volume 10000" is written in a bold, black, sans-serif font at the top. The center of the record features the number "1767" in a large, black, serif font, oriented vertically. The record itself is represented by a series of concentric, slightly irregular black lines forming a spiral pattern, with small black dots scattered throughout, giving it a textured appearance.

1.0.1

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A large, thick black spiral composed of the digit '0' starts from the center and expands outwards in a clockwise direction. The spiral is dense and fills most of the frame. At the top left, the text 'volume 1000' is written in a bold, black, sans-serif font. In the center of the spiral, the number '1767' is written in a black, sans-serif font, oriented vertically.

Foreword

In 1940, the mathematician Edward Kasner published the book "Mathematics and the Imagination", in which he popularized the words googol and googolplex which his nephew suggested as names for big numbers.

The number googol has been defined as 1 followed by a hundred zeros:

[illegible]

The much larger number googolplex has been defined as 1 followed by a googol zeros. While this number can easily be written as

$$\text{googolplex} = 10^{\text{googol}} = 10^{(10^{100})}$$

using the exponential notation, it has often been claimed that the number googolplex is so large that it can never be written out in full.

[illegible]

Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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